

NPOL Science Report (1 May 00-12Z)

Submitted by tjlang on Wed, 2013-05-01 04:45

Date:

Wednesday, May 1, 2013 - 12:00

Instrument List:

- [Green](#)

Discussion:

0000-1200 UTC Shift Report (T. Lang): For the majority of the shift, portions of a band of widespread precipitation persisted in NPOLs northwest quadrant. The band was oriented southwest to northeast, and moved toward the northeast while regenerating itself in western Iowa and eastern Nebraska, which contributed to the longevity of the event. Early on, the precipitation was mostly convective in character and appeared to consist of rainfall with minimal ice (hail or snow) near the surface. As the system evolved, reflectivities tended to weaken and the precipitation took on comparatively more stratiform characteristics. For a couple of short (< 30 min) time periods, NPOL ran PPI sector volumes (alternating with low-tilt rain scans) over the Turkey and Upper Cedar basins. However, most of the precip remained beyond 75 km so sector volumes were not desirable and NPOL mainly performed rapidly updating (1-min), 360-deg rain-mapping scans on this event. Late in the shift, the system lifted to the northwest and the NPOL scope became free of echo by 0900 UTC. The geometry of the event unfortunately prevented any coordinated scanning with D3R.
